CLAIMS

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- 1. An airship comprising:
 - a frame;
 - a gondola moveably coupled to said frame;
- first and second hulls pivotally coupled to said frame; and a propulsion system connected to said frame.
 - 2. The airship of claim 1, further comprising an electrical power system.
- 3. The airship of claim 2, further comprising flexible photo-voltaic arrays on at least a portion of at least one of said first and second hulls.
 - 4. The airship of claim 3, further comprising a hydrogen generator.
- 5. The airship of claim 2, wherein said hulls have a flexible hull material, said flexible hull material comprising a capacitor.
 - 6. The airship of claim 1, wherein said frame comprises a composite material.
- 7. The airship of claim 1, wherein said gondola is vertically extendable and retractable relative to said frame.
 - 8. The airship of claim 7, wherein said gondola comprises at least one ISO shipping container.
 - 9. The airship of claim 7, wherein said gondola comprises a plurality of gondolas.

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- 10. The airship of claim 1, wherein said hulls are semi-dirigible.
- 11. The airship of claim 10, wherein said first and second hulls each have at least one rigid hull frame portion proximate said pivotable connection to said frame.
 - 12. The airship of claim 10, wherein said first and second hulls each have at least one rigid hull structure portion configured to support a submerged portion of each hull during a landing on water.
 - 13. The airship of claim 12, wherein said rigid hull structure portion is configured to be folded.
 - 14. The airship of claim 10, wherein said hulls are at least partially collapsible.
 - 15. The airship of claim 14, wherein said airship is configurable to be stored in an ISO container by collapsing, folding, and pivoting said first and second hulls.
 - 16. The airship of claim 14, wherein said airship is configurable to be a terrestrial habitation when landed on a supportive surface and said first and second hulls are collapsed.
 - 17. The airship of claim 1, wherein said first and second hulls each comprise an inner gas envelope and an outer gas envelope.
 - 18. The airship of claim 17, wherein said inner gas envelope is configured to contain hydrogen and said outer gas envelope is configured to contain helium.
 - 19. The airship of claim 1, wherein said first and second hulls are configured and pivotal to provide buoyancy for the airship in water.

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- 20. The airship of claim 1, wherein said propulsion system comprises directionally controllable thrusters.
- 21. The airship of claim 20, wherein at least one thruster of said directionally controllable thrusters is controllable over an angle of ninety degrees relative to said frame.
 - 22. The airship of claim 20, wherein at least one thruster of said directionally controllable thrusters is controllable over an angle of two-hundred and seventy degrees relative to said frame.
 - 23. The airship of claim 20, wherein said propulsion system comprises thrusters of more than one type.

- 24. An airship comprising;
 - a frame; and

- 5 first and second hulls pivotally coupled to said frame.
 - 25. The airship of claim 24, further comprising a gondola vertically extendable and retractable relative to said frame.
 - 26. The airship of claim 24, further comprising directionally controllable thrusters connected to said frame.

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- 27. A method of landing an airship on water, wherein the airship has a frame in which a retractable and extendable gondola is disposed, first and second hulls pivotally connected to said frame, and directionally controllable thrusters connected to said frame, the method comprising the steps of:
 - pivoting said first and second hulls relative to said frame to place a buoyant volume of said first and second hulls below said frame; and controlling said thrusters to lower the airship into the water.
- 28. The method of claim 27, wherein said gondola is extended, the method further comprising the step of retracting the gondola.
- 29. A method of refueling an airship comprising the step of: acquiring hydrogen; and apportioning the hydrogen for fuel and lifting gas
- 30. The method of claim 29, wherein the step of acquiring hydrogen comprises the step of electrolyzing water onboard the airship.